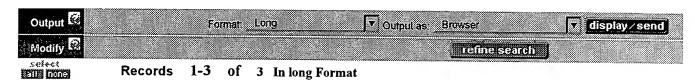


Dynamic Search: INPADOC/Family and Legal Status, JAPIO - Patent Abstracts of Japan, Derwent World Patents Index

■ Records for: pn=jp 11228655

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1. 26/34/1 (Item 1 from file: 351)

012716628

WPI Acc No: 1999-522740/199944

Polyurethane group emulsion for aqueous printing ink - has specific minimum film forming temperature

Patent Assignee: NIPPON POLYURETHANE KOGYO KK (NIPO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No Kind Date Applicat No Kind Date Week
JP 11228655 A 19990824 JP 9852742 A 19980218 199944 B

Priority Applications (No Type Date): JP 9852742 A 19980218

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 11228655 A 9 C08G-018/00

Abstract (Basic): JP 11228655 A

NOVELTY - The emulsion is obtained by reacting compound containing polyol (A), chain extension agent (B), carboxy and active hydrogen group having number average molecular weight of 500-10,000 (C), organic polyisocyanate (D) and neutralizing agent (E). The minimum film forming temperature of the emulsion is 35 deg. C or less.

USE - For aqueous printing ink (claimed).

ADVANTAGE - The polyurethane group emulsion excels in adhesion property and printability. The operativity of aqueous ink is improved. Dwg.0/0

Derwent Class: A25; A97; G02

International Patent Class (Main): C08G-018/00

International Patent Class (Additional): C08L-075/04; C09D-011/02;

C09D-175/04

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□2. 26/34/2 (Item 2 from file: 347) 06287064 POLYURETHANE-BASED EMULSION FOR WATER-BASED PRINTING INK AND WATER-BASED PRINTING INK USING THE SAME

Pub. No.: 11-228655 A]

Published: August 24, 1999 (19990824)
Inventor: MORISHIMA TAKESHI
YAMAZAKI SUMIICHI

MURAKAMI SHUNSUKE SASAHARA TOSHIAKI

KONISHI SHIN

Applicant: NIPPON POLYURETHANE IND CO LTD

Application No.: 10-052742 [JP 9852742]

Filed: February 18, 1998 (19980218)

International Class: C08G-018/00; C08L-075/04; C09D-011/02

ABSTRACT

PROBLEM TO BE SOLVED: To obtain the subject emulsion used in a vehicle of a water-based printing ink excellent in adhesion and printability by composing the emulsion of an aqueous emulsion of a specific polyurethane-based polymer having a specified minimum film-forming temperature.

SOLUTION: This emulsion is obtained by composing the emulsion of an aqueous emulsion of a polyurethane-based polymer prepared by reacting (A) a polyol having 50-10, 000, preferably 1,000-5, 000 number-average molecular weight and preferably 2-4 average number of functional groups of the polyol (e.g. a polycarbonate polyol) with (B) a chain extender which is preferably a 2-15C aliphatic polyol, a 2-15C aliphatic polyamine, etc., (e.g. monoethanolamine), (C) a compound having carboxyl group and an active hydrogen group (e. g. dimethylolpropionic acid), (D) an organic polyisocyanate (e.g. diphenylmethane diisocyanate) and (E) a neutralizing agent (e.g. triethylamine) and having <35°C minimum film-forming temperature.

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3.

26/34/3 (Item 3 from file: 345)

15432821

Basic Patent (No, Kind, Date): JP 11228655 A2 19990824

PATENT FAMILY:

JAPAN (JP)

Patent (No, Kind, Date): JP 11228655 A2 19990824

POLYURETHANE-BASED EMULSION FOR WATER-BASED PRINTING INK AND

WATER-BASED PRINTING INK USING THE SAME (English)

Patent Assignee: NIPPON POLYURETHANE KOGYO KK

Author (Inventor): MORISHIMA TAKESHI; YAMAZAKI SUMIICHI; MURAKAMI

SHUNSUKE; SASAHARA TOSHIAKI; KONISHI SHIN

Priority (No, Kind, Date): JP 9852742 A 19980218

Applic (No, Kind, Date): JP 9852742 A 19980218

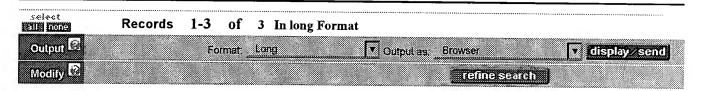
IPC: * C08G-018/00; C08L-075/04; C09D-011/02; C09D-175/04

CA Abstract No: * 131(13)171662V; 131(13)171662V

Derwent WPI Acc No: * C 99-522740; C 99-522740

Language of Document: Japanese

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